

**STATEMENT OF WORK**  
**Animal Mortality Facility (316)**  
**Oklahoma**

**These deliverables apply to this individual practice. For other planned practice deliverables refer to those specific Statements of Work.**

## **DESIGN**

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### **Deliverables:**

1. Design documentation that will demonstrate that the criteria in NRCS practice standard have been met and are compatible with other planned and applied practices
  - a. Practice purpose(s) as identified in the conservation plan
  - b. List of required permits to be obtained by the client
    - Oklahoma Department of Agriculture, Food and Forestry must approve all animal mortality disposal plans for licensed animal feeding operations in Oklahoma
    - Other permits may be required depending on the location of the facility
  - c. Compliance with NRCS national and state utility safety policy (National Engineering Manual (NEM) Part 503-Safety, Subpart A - Engineering Activities Affecting Utilities 503.00 through 503.06 and NEM Oklahoma Supplement Part 503-Safety, Subpart A - Engineering Activities Affecting Utilities, OK503.02)
    - Oklahoma engineering worksheet *OK-ENG-45 Utilities Inventory Form* will be used to document utilities
  - d. Practice standard criteria related computations and analyses to develop plans and specifications including but not limited to:
    - i. Geology and Soil Mechanics (NEM Subpart 531a)
    - ii. Capacity
      - Anticipated mortality based on producers' records
      - Storage and/or treatment volume required including bulking materials when needed
    - iii. Structural, Mechanical and Appurtenance design
    - iv. Environmental Considerations (e.g. air quality, bio-security)
    - v. Safety Considerations (NEM Part 503-Safety, Subpart A, 503.10 through 503.12)
2. Written plans and specifications including sketches and drawings shall be provided to the client that adequately describes the requirements to install the practice and obtain necessary permits
  - Approved Oklahoma standard drawings to construct animal mortality composting facilities include; *OK-DWG-410 Poultry Mortality Compost Facility*, *OK-DWG-411 Poultry Mortality Compost Facility*, *OK-DWG-411b Turkey Mortality Compost Facility*, *OK-DWG-412 Swine Mortality Compost Facility*, *OK-DWG-413 Swine Mortality Compost Facility*, *OK-DWG-414 Poultry Litter Storage/Mortality Compost Facility*, *OK-DWG-414o Poultry Litter Storage/Mortality Compost Facility*
  - Site specific drawings and specifications shall be prepared by the designer for all other mortality disposal or treatment facilities. Site specific non preapproved drawings shall be approved by the State Conservation Engineer
3. Design Report and Inspection Plan as appropriate (NEM Part 511, Subpart B Documentation, 511.11 and Part 512, Subpart D Quality Assurance Activities, 512.30 through 512.32)
4. Certification that the design meets practice standard criteria and comply with applicable laws and regulations will be signed by an employee with appropriate approval authority for design assigned on Form OK-ENG-1 or OK-ENG-1 (NEM Subpart A, 505.3)
  - Oklahoma engineering worksheets *OK-ENG-56 Dead Poultry Composting Facility* and/or *OK-ENG-63 Vendor Certification for Rotary Drum Composters* will be used when applicable
5. Operation and Maintenance Plan
6. Design modifications during installation as required

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**INSTALLATION**

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**Deliverables**

1. Documentation of pre-installation conference with client and contractor
2. Verification that client has obtained required permits
3. Staking and layout according to plans and specifications including applicable layout notes
4. Installation inspection (according to inspection plan as appropriate)
  - a. Actual materials used (Part 512, Subchapter D Quality Assurance Activities, 512.33)
  - b. Inspection records
  - c. Maintaining a job diary with dates and record of inspections made, testing completed, instructions provided to the contractor, etc., to document compliance with standards and specifications. Documenting in the assistance notes in the plan is acceptable
5. Facilitate, implement and document required design modifications with client, original designer, regulatory and funding agencies
6. Advise client/NRCS on compliance issues with all federal, state, tribal, and local laws, regulations and NRCS policies during installation
7. Certification that the installation process and materials meets design and permit requirements

**CHECK OUT**

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**Deliverables**

1. Supporting documentation
  - a. Completed job diary or assistance notes documenting inspections made, testing completed, materials used, etc.
  - b. Survey notes for layout, inspections, and final checkout documenting compliance with standards and specifications
  - c. As-built drawings with changes from the original drawing clearly shown
  - d. Extent of practice units applied and location identified on a map
  - e. Final quantities
2. Certification that the installation meets NRCS standards and specifications and is in compliance with permits will be signed by an employee with appropriate approval authority for construction assigned on Form OK-ENG-1, OK-ENG-1 a, or by special letter. (NEM Subpart A, 505.3)
3. Progress reporting

**REFERENCES**

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- NRCS Field Office Technical Guide (eFOTG), Section IV, Conservation Practice Standard - Animal Mortality Facility, 316
- NRCS National Engineering Manual (NEM)
- NRCS National Environmental Compliance Handbook
- NRCS Cultural Resources Handbook
- National Engineering Handbook (NEH), Part 651, Agricultural Waste Management Field Handbook (AWMFH)
- National Engineering Handbook Part 637, Chapter 2 – Composting
- NRCS Technical Note No. 210-EEN-01, In-vessel Composters for Livestock Mortality Management